

Chapter 31

Indication \ Recording System

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31-00-00

GENERAL

The Extra 300 is equipped with flight instruments in both cockpits. Instruments and placards can be provided with markings in either metric or English units (refer to Chapter 1 "Placards and Markings"). The colour markings in instruments follow US-FAR, part 23 recommendation.

31-10-00

INSTRUMENT AND CONTROL PANELS

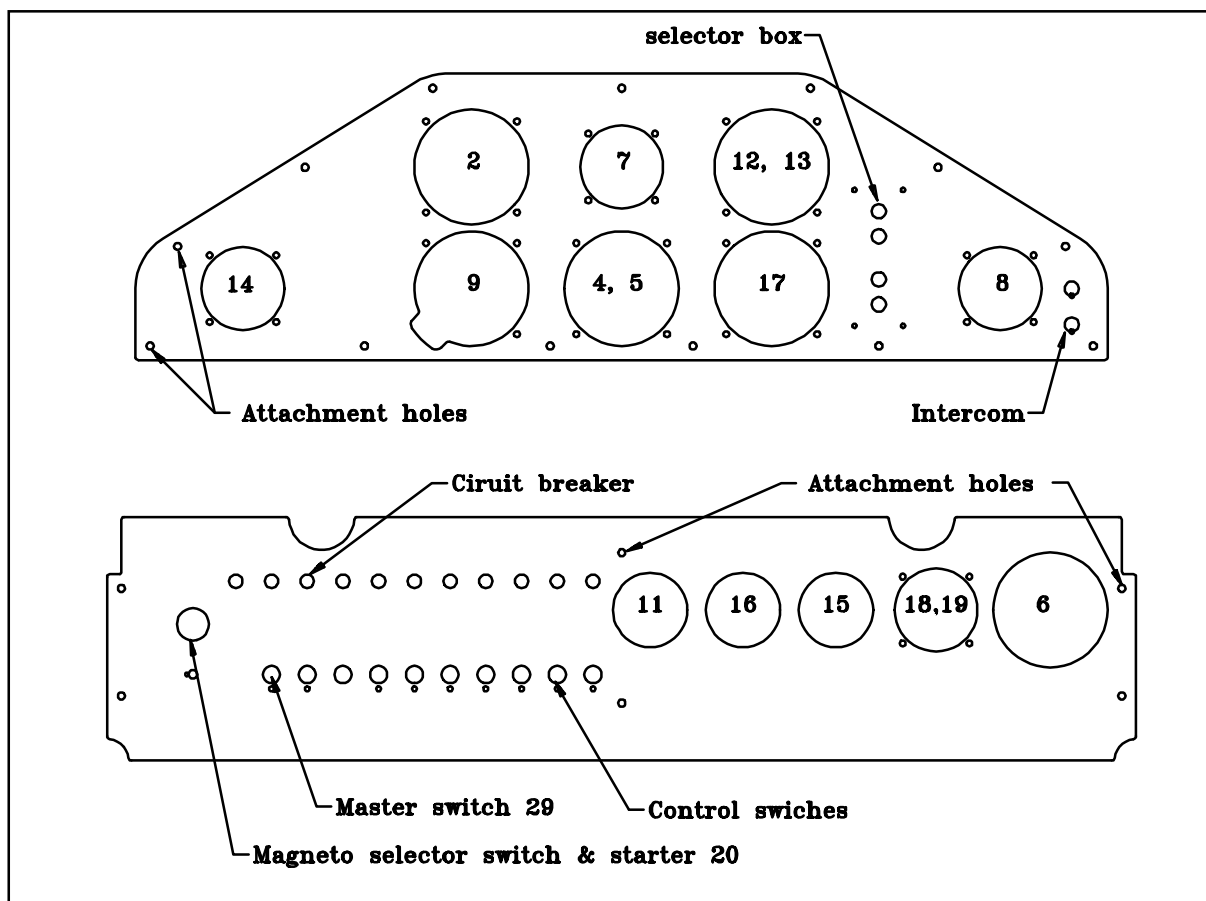
Rear Instrument Panel

The instrument panel of the rear cockpit consist of a top panel sheet (instrument panel) with an instrument cover and a center panel sheet (control switch and circuit breaker panel). The panels and the cover are mounted on the steel frame with AN 526 C 1032 R8 bolts.

For panel arrangement of the rear cockpit refer to Figure 1 and the adjacent chart, which include standard and optional equipment marked as such.

NOTE

The chart may be modified by the minimum equipment requirements of individual certifying authorities.

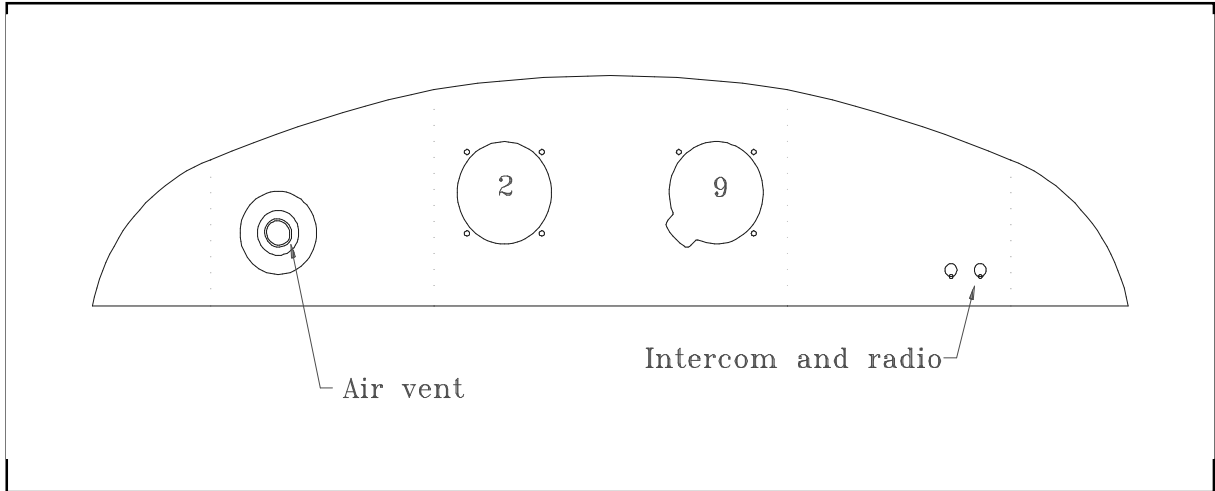


*Rear Instrument Panel
Figure 1*

Pos.	Stand.	Opt.	Item
1		*	vertical speed indicator
2	*		air speed indicator
3		*	turn and bank indicator
4	*		manifold pressure
5	*		fuel flow
6	*		RPM indicator
7	*		magn. direction indicator
8			com
9	*		altimeter
10		*	artificial horizon
11	*		amperemeter
12	*		oil pressure
13	*		oil temperature
14		*	fuel pressure
15	*		fuel quantity wing tank
16	*		quantity aero tank
17	*		g-meter
18	*		EGT
19	*		CHT
20	*		magneto selector switch & starter
21	*		RPM control, prop governor
22	*		mixture control
23	*		throttle lever
24		*	intercom button
25	*		stick
26	*		radio button
27	*		fuel shut-off valve
28	*		trim lever and indicator
29	*		master switch
30	*		boost pump
31		*	directional gyro

Front Instrument Panel

The instrument panel of the front cockpit is integrated in the canopy frame (refer to Figure 2).



*Front Instrument Panel
 Figure 2*

Pos.	Stand.	Opt.	Item
2	*		air speed indicator
9	*		altimeter
23	*		throttle lever
24		*	intercom button
25	*		stick
26	*		radio button
27	*		fuel shut-off valve

31-15-00

MAINTENANCE PRACTICES

I M P O R T A N T

If replacement of the manifold, fuel, and oil pressure lines inside the engine department is necessary, cover the pressure lines with AEROQUIP AE102 fire sleeves as per Chapter 20-10-07.

31-15-01

Instrument Cover Removal/Installation

- 1 Remove the AN 526 C 1032 R8 bolts located at the top of the front seat back rest.
- 2 Remove the AN 526 C 1032 R8 bolts located at the top of the upper rear instrument panel.
- 3 Remove the instrument cover.
- 4 Install in reverse sequence of removal.

31-50-00

CENTRAL WARNING SYSTEMS

31-50-01

Stall Warning System

The EA 300 is equipped with a stall warning system as standard. This system is designed to warn the pilot by an audible alarm horn, which is fitted in the back of the front seat. The stall warning switch is located at the RH wing leading edge. The electrical circuit of the stall warner is independently secured with an automatic 1 ampere circuit breaker in the rear instrument panel (refer to Figure 1).

The stall warning switch has been adjusted at the factory after a test flight. It is set to trigger the warning approx. 5-10 knots prior to stalling in normal flight. The switch should require no adjustment in normal service.